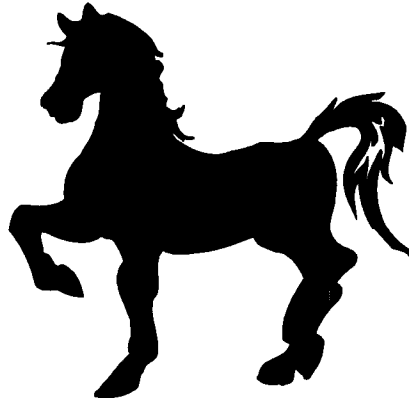


HORSE STALLS



STATEMENT OF WORK

INSTALL 52 HORSE STALLS

RIDING CENTER/STABLES

EDWARDS AFB, CA

8 JUL 02

F04700-02-B-0004

ATTACHMENT 2

Page 1 of 8

PART 1 - GENERAL REQUIREMENTS

1.00 SCOPE: The work consists of, but is not limited to, furnishing all labor, materials, equipment, and supervision required to the install 52 new horse stalls/tack (singles & doubles) at the riding center/stables, Edwards Air Force Base, California. Run to be constructed by others and is not included in this requirement.

1.01 GOVERNMENT FURNISHED UTILITIES: Water and electricity will be furnished to the contractor from existing Government systems/outlets at no cost to the contractor. The contractor shall furnish all equipment, material, and labor necessary to obtain the utilities from the existing systems/outlets.

1.02 WORK HOURS: The hours of work for the installation shall be from 6:00 A.M. to 4:30 P.M. Monday through Friday, excluding federal holidays. No work shall commence without prior coordination with the 95th SPTG/SV.

1.03 BASE ACCESS: Proof of current vehicle registration, drivers license and vehicle insurance must be made available prior to issuance of the base access permits. The contractor shall obtain base access for his personnel, subcontractors, vehicles and equipment by submitting the following information to the Contracting Officer within five (5) working days prior to commencing work:

NAME OF INDIVIDUAL
Social Security Number
Drives Licenses Number
Vehicle License Number
Date of Birth
Place of Birth
U.S. Citizen

1.04 DISPOSAL OF WASTE/EXCESS MATERIAL: Any waste or excess material resulting from any contract requirement shall be removed and disposed of at a proper disposal site off Edwards Air Force Base by the Contractor in strict accordance with applicable Federal, State, County and local laws. Disposal, discharge, deposit, dumping, spilling, leaking, or placing of any material, wastes, effluents, trash, garbage, oil, grease, paint, chemicals, etc. in areas other than proper disposal sites off Edwards Air Force Base shall be subject to the approval of the Contracting Officer. If any waste material is dumped in unauthorized areas, the contractor shall remove the material and restore the area to the condition of the adjacent undisturbed area. Contaminated ground shall be excavated, disposed of as directed by the Contracting Officer, and replaced with suitable fill material, compacted and finished to match adjoining surfaces.

1.04A Submittal Requirements: The contractor shall furnish the following information to the Contracting Officer:

Name and address of the proposed landfill to be used for disposal of project related waste.

Landfill class.

Proposed materials to be disposed of at this location.

This information is to be submitted for all materials to be disposed of by the contractor, including hazardous waste as well as demolition debris, and will be submitted and approved before construction work begins. Copies of manifests and inventories of hazardous wastes that were disposed of during the course of the contract must be provided to AFFTC/EM at the conclusion of the contract. The close-out submittal must contain all information required by the initial submittal.

1.04B Disposal of Hazardous Material: The contractor shall comply with all local, State, and Federal laws pertaining to the protection of the environment and emission of hazardous pollutants in the performance of this contract. The Contractor shall also provide a copy to the Contracting Officer and the Base Environmental Protection Monitor of all correspondence with local, State, or Federal pollution control authorities. Any hazardous waste generated by the Contractor shall be the Contractor's responsibility to dispose of in accordance with the above mentioned laws. This will include hauling all paint determined as hazardous waste to the nearest Hazardous Waste Dump. The contractor shall coordinate all movement of hazardous waste with AFFTC Hazardous Manager at (805) 277-1410 prior to movement.

1.05 SPILLAGE: Special measures shall be taken to prevent paints, chemicals, fuels, oils, grease, etc., from being spilled and particularly from entering surface or groundwater. In the event of a paint, fuel, oils, or chemical spill the Contractor shall immediately take containment measures to prevent the spill from migrating and/or entering the base drainage system. Hazardous spill residue shall be disposed of in accordance with all local, State, and Federal laws pertaining to the protection of the environment and emission of hazardous pollutants in the performance of this contract. Non-hazardous spillage shall be disposed of off-base in accordance with paragraph 1.10. All spills shall be reported as soon as possible to Base Environmental Branch and Base Safety at 277-1401 and 277-4640 respectively.

1.06 REGULATIONS AND STANDARDS: The contractor shall comply with all Edwards Air Force Base safety standards and all OSHA standards. Resolution of citations for violations of Occupational Safety, Health Act Safety, and Health Standards is the contractor's responsibility.

1.07 ENVIRONMENTAL PROTECTION: For the purpose of this specification, environmental pollution is defined as a presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter

ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic and recreational purposes. The control of environmental pollution requires consideration of air, water, and land, and involves noise, solid-waste management and management of radiant energy and radioactive materials, as well as pollutants.

1.07A Applicable Regulations: In order to prevent and to provide for abatement and control of any environmental pollution arising from the construction activities of the Contractor and any subcontractor employed by the Contractor in the performance of this contract, they shall comply with the applicable Federal, State, and local laws and regulations concerning environmental; pollution control and abatement in effect on the date of the solicitation.

1.07B Protection of Land Resources: It is intended the land resources within the project boundaries of work performed under this contract be preserved in their present condition or be restored to a condition after completion of construction that will appear to be natural and not detract from the appearance of the project. Insofar as possible, the Contractor shall confine activities to areas defined by plans and specifications.

1.07C Training: The Contractor shall implement an employees environmental awareness program which will be provided to construction and operation employees with information to encourage awareness and preservation of the desert ecosystem and the resources found in the Western Mojave Desert. This information shall be distributed to and discussed with all employees during employee orientation sessions. This information shall also be provided to all visitors and subcontractors that will be on site. The Contractor shall have all persons participating in the environmental awareness program to sign an affidavit declaring that the individual understands and shall adhere to the guidelines set forth in the program material.

1.07D Protection of Water Resources: The Contractor shall not pollute streams, lakes, or reservoirs with fuels, oils, bitumen, calcium chloride, painting materials, acids, or other harmful materials. It is the responsibility of the Contractor to investigate and comply with all applicable Federal, State, County, and Municipal laws concerning pollution of rivers and streams. All work under this contract shall be performed in such a manner that objectionable conditions will not be created in streams through or adjacent to the project area.

1.07E Protection of Fish and Wildlife: The contractor shall at all times perform all work, taking all such steps required to prevent any interference or disturbance to fish and/or wildlife. Fouling or polluting of water will not be tolerated. Wash waters and waste shall be processed, filtered, ponded, or effectively treated prior to their release into any body of water.

1.07F Protection of Air Quality: Contractor shall comply with all air pollution restrictions applicable to this project. Waste materials shall not be burned on Government premises. If the contractor elects to dispose of waste materials, (other than

hazardous waste) off Government premises, by burning, he shall make his own arrangements for such burning area and shall be responsible for all permits and conformance to all local, state, and federal regulations.

1.07G Protection of Desert Tortoise: Contractor personnel shall not touch, harm, harass, or kill desert tortoise. Notify the Contracting Officer immediately of all desert tortoise sightings. The Contractor will be responsible for removing desert tortoises out of immediate danger. Should construction activities threaten the survival of any desert tortoises, those activities shall immediately cease until the Contracting Officer safely removes the tortoise(s). The Contracting Officer shall perform clearance surveys in all areas of planned disturbance. The Contractor will be available to accompany construction crews during period of tortoise activity to provide protection of these animals and their burrows.

1.08 WELDING PERMITS: The contractor shall obtain a welding permit from the Edwards Fire Department (Building 3760, (805)277-3643) before welding equipment or a cutting torch is used.

1.09 TRASH AND LITTER CONTROL: The Contractor shall develop a strict trash and litter control program. The litter control program shall consist of supplying an adequate number of covered trash and litter receptacles in all appropriate locations. The contractor shall take precautions to prevent Foreign Object Debris (FOD) while working on or around the flight line.

1.10 POST-CONSTRUCTION CLEANUP: The Contractor shall remove and clean up all signs of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, or any vestiges of construction resulting from this contract, upon completion of work as directed by the Contracting Officer.

1.11 USE OF RADIOACTIVE ISOTOPES: Use of equipment containing radioactive isotopes or any nuclear source (such as density testers, moisture detectors, etc.) must be approved by the USAF Radioisotope Committee through the installation Radiological Protection Officer (RPO). If such equipment is to be used in the work, the contractor must notify the RPO, through the Contracting Officer's designated representative, no less than 14 days before the anticipated use of such equipment, in order that the required approval is obtained. Additionally, during the period of use of such equipment, the RPO is authorized to make periodic checks to insure that proper radiological health precautions are being followed. If the RPO determines that these precautions are not being followed, he will immediately notify the Contracting Officer to initiate corrective action.

1.12 NO SMOKING POLICY: There is an Air Force Policy of **NO SMOKING** in any Government vehicle or building in accordance with AFI 40.102 (3 Jun 1994).

PART 2 - TECHNICAL REQUIREMENTS

2.00 FIELD VERIFICATION:

All measurements stated herein are approximate. The Contractor shall be responsible for field verification of all measurements to ensure proper sizing compliance with the Uniform Building Code (UBC), and all Federal, State, and local regulations.

2.01 HORSE STALLS: (CLIN 0001)

Stall and Tack rooms shall be constructed in the side by side configuration shown on the attached drawings. **Stall Size: 12' X 12'. Tack Room Size: 8' X 12'**

16 Doubles and 20 Singles – see attached prints.

All frames will be a minimum 1 7/8" (15 gauge) galvanized pipes with G-90 zinc electroplate finish that are imbedded into concrete piers.

Baked enamel color sheeting on roofs, walls, and trim, **Marble Crème or equal** of twenty-six gauge steel is the minimum requirement for the walls. Sheeting must be shielded from horse kicks with 2"x4" **6 gauge** galvanized wire (maximum opening space) fabric in the stalls. This is not required on the exterior of the building, or storage area. Wire fabric shall extend from bottom of wall to horizontal rail at approximately 6' above grade. Wire shall be welded to the pipe frame around perimeter and a minimum of two horizontal intermediate rails at a minimum average of every 4".

Roof substructure is to consist of minimum 8"x 2.25"x 14 gauge galvanized steel zee purlins. Roof sheeting is to be, or equivalent of, 80ksi 26 gauge IC-72 profile as comparable to that which is manufactured by Metal Sales or IMSA Building Products or equal.

Tek screws with neoprene washers are to be used. The Tek screws securing sheeting shall approximate sheeting color.

The stall should have vertical support a minimum of every 6'.

Use welds, that are welded completely around at each connection, welds should be even flowing, cleaned of debris before painting. Shop welding to be completed by a facility with City of Los Angeles Type 1 fabricator certification or similar equivalent.

Concrete interface shall utilize a minimum 1 5/8" diameter pipe which sleeves into the minimum 1 7/8" wall, to allow for future relocation if required. The connection shall be secured with a minimum of (3) tek screws. The minimum 1 5/8" sleeve shall have a "hook" in the concrete footing to resist uplift through the footing.

***NOTE: REVISED SPECIFICATIONS ARE IN BOLD PRINT.**

Wall sheeting is to be, or equivalent of, 80ksi 26 gauge "R" profile as manufactured by Metal Sales or IMSA Building Products or equal. All edges shall be "trimmed up" – no rough edges shall be accepted.

Pipe framing is to be, or equivalent of, 15 gauge (.072") as manufactured by Western Tube and Conduit or equal.

All wall to foundation and wall to roof purlin connections are to have been currently or previously approved by a "licensed professional engineer" in currently or previously engineered similar structures.

Rake angle is to be utilized. Rake angle shall be a minimum of 4" girth 16 gauge galvanized steel.

All swing door hinge systems shall utilize at least one welded and one adjustable hinge connection.

Ensure stalls meet the base ~~100~~ **90** MPH wind resistance standard and earthquake requirements.

Certification by a "licensed professional engineer" is not required. However, structural stability should be ensured by either calculation by a "licensed professional engineer" per the 1997 (or later) UBC, or a similar system must have been utilized in the approximate geographical area.

2.01A Provide design drawing and specifications for the Government review.

2.02 Electrical:

Provide electrical power panel for each section of stalls/storage. Provide one (1) twenty amp circuit for each section of stalls/storage in accordance with 1999 Edition of National Electrical Code. The wiring for each stall/storage shall consist of intrinsically safe devices that are rated for the applicable hazardous location in accordance with NEC Article 500. The wiring for each stall/storage shall consist of, 1-100 watt light (keyless fixture with tamper proof, shatter proof and fire proof shield/shroud) and switch in each stall and 1-60 watt light (keyless fixture with tamper proof, shatter proof and fire proof shield/shroud) and switch in each tack room and 1 110v GFCI protected outlet in each tack room.

2.03 The existing pipe lines, electrical lines, plumbing and other utilities will be marked by customer prior to installation.

2.04 Damage Repair: Any damage to the building caused by the installation or act of the contractors shall be repaired by the contractor.

2.05 Submittals:

1. The contractor shall provide the following submittals to the contracting officer for review/approval prior to starting work:

Product data and/or cut sheets for galvanized sheeting, baked enamel sheeting and stud wire including, color charts or samples.

2.06 Prefab stalls are acceptable by customer only if it meets the requirements as stated.